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Division: Office of Initial Patent Examination **FROM:** David R. Saliwanchik

COMPANY: U.S. Patent Office **DATE:** July 14, 2006

FAX NO.: (571) 273-8300 **NO. OF PAGES**
(INCLUDING COVER SHEET): 6

SUBJECT/MESSAGE:

Serial No. 10/529,072; filed March 24, 2005
Attorney Docket No. BB-140

- 1) Request for Correction of Filing Receipt (2 pages)
- 2) Marked-up copy of page 1 of Filing Receipt (1 page)
- 3) Copy of page 1 of Transmittal Letter to the DO/EO/US upon filing (1 page)
- 4) Copy of page 1 of WO 2004/029085 (1 page)

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July 14, 2006David Saliwanchik

David R. Saliwanchik, Patent Attorney

Patent Application
Docket No. BB-140
Serial No. 10/529,072**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Ralf-Holger Voss *et al.*
Serial No. : 10/529,072
Filed : March 24, 2005
Conf. No. : 1890
For : Method for Rational Mutagenesis of Alpha/Beta T-Cell Receptors and
Correspondingly Mutated MDM2-Protein Specific Alpha/Beta T-Cell
Receptors

Office of Initial Patent Examination's Filing Receipt Corrections
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CORRECTION OF FILING RECEIPT

Sir:

The applicants respectfully request the correction of a clerical error in the Official Filing
Receipt for the above-identified patent application. The correction needed is as follows:

Title

Method for rational mutagenesis of alpha/beta t-cell receptors and correspondingly
mutated mdm2-protein specific alpha/beta t-cell receptors

Should Read:

Method for rational mutagenesis of alpha/beta t-cell receptors and correspondingly
mutated mdm2-protein specific alpha/beta t-cell receptors

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Docket No. BB-140
Serial No. 10/529,072

Please note that this application was filed as a 371 application of PCT/EP03/10633. Attached herewith are copies of a marked-up version of the Official Filing Receipt which indicates the correction needed, a copy of page one of the Transmittal Letter to the Patent Office with filing the application, and a copy of the first page with title of international published application WO 2004/029085. Correction of the above is respectfully requested.

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§1.16 or 1.17 as required by this paper to Deposit Account No. 19-0065.

Respectfully submitted,



David R. Saliwanchik
Patent Attorney
Registration No. 31,794
Phone No.: 352-375-8100
Address : P.O. Box 142950
Gainesville, FL 32614-2950

DRS/la

Attachments: Copy of marked-up version of Filing Receipt with indicated correction requested;
Copy of page one of the Transmittal Letter to the Patent Office with filing the application; and
Copy of the first page with title of international published application WO 2004/029085

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/529,072	10/14/2005	1645	1680	BB-140	13	25	5

23557
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CONFIRMATION NO. 1890

FILING RECEIPT

OC000000018575388

APR 22 2006

PRS

JL

Date Mailed: 04/20/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Ralf-Holger Voss, Mainz, GERMANY;
Theobald Matthias, Mainz, GERMANY;

Power of Attorney: The patent practitioners associated with Customer Number 23557.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP03/10633 09/24/2003

Foreign Applications

GERMANY 10244457.9 09/24/2002

Projected Publication Date: 07/27/2006

Non-Publication Request: No

Early Publication Request: No

Title

Method for rational mutagenesis of alpha/beta t-cell receptors and correspondingly mutated
mdm2-protein specific alpha/beta t-cell ceceptores

receptors

JUL 14 2006

PTO-1380 (Rev. 02-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

BB-140

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

INTERNATIONAL APPLICATION NO.
PCT/EP2003/010633INTERNATIONAL FILING DATE
24 September 2003PRIORITY DATE CLAIMED
24 September 2002

TITLE OF INVENTION Method for Rational Mutagenesis of Alpha/Beta T-Cell Receptors and Correspondingly mutated MDM2-protein specific alpha/beta T-cell receptors

APPLICANT(S) FOR DO/EO/US

Ralf-Holger Voss and Theobald Matthias

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). unsigned
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Certificate of Mailing

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce.

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG(19) Weltorganisation für geistiges Eigentum
Internationales Büro(43) Internationales Veröffentlichungsdatum
8. April 2004 (08.04.2004)

PCT

(10) Internationale Veröffentlichungsnummer
WO 2004/029085 A3(51) Internationale Patentklassifikation: C07K 14/705,
C12N 15/12, A61K 38/17

(21) Internationales Aktenzeichen: PCT/EP2003/010633

(22) Internationales Anmeldedatum:
24. September 2003 (24.09.2003)

(25) Einreichungssprache: Deutsch

(26) Veröffentlichungssprache: Deutsch

(30) Angaben zur Priorität:
102 44 457.9 24. September 2002 (24.09.2002) DE(71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme
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(72) Erfinder; und

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Theobald [DE/DE]; Johannes Gutenberg-Universität
Mainz, Saarstrasse 21, 55122 Mainz (DE).(74) Anwälte: KRAUSS, Jan usw.; Boehmert & Boehmert,
Pettienkoferstrasse 20-22, 80336 München (DE).(81) Bestimmungsstaaten (national): AU, AG, AL, AM, AT;
AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KB, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.(84) Bestimmungsstaaten (regional): ARIPO Patent (GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
eurasisches Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), europäisches Patent (AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HU, IL, IT, LU, MC, NL,
PT, RO, SE, SI, SK, TR), OAPI Patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Veröffentlicht:

— mit internationalem Recherchenbericht

(88) Veröffentlichungsdatum des internationalen
Recherchenberichts: 14. Oktober 2004Zur Erklärung der Zweibuchstaben-Codes und der anderen Ab-
kürzungen wird auf die Erklärungen ("Guidance Notes on Co-
des and Abbreviations") am Anfang jeder regulären Ausgabe der
PCT-Gazette verwiesen.

WO 2004/029085 A3

(54) Title: METHOD FOR THE RATIONAL MUTAGENESIS OF α/β T CELL. RECEPTORS AND CORRESPONDINGLY MU-
TATED MDM2 PROTEIN-SPECIFIC α/β T-CELL. RECEPTORS(54) Bezeichnung: VERFAHREN ZUR RATIONALEN MUTAGENESE VON α/β T-ZELL REZEPTOREN UND ENTSPRE-
CHEND MUTIERTE MDM2-PROTEIN SPEZIFISCHE α/β T-ZELL REZEPTOREN(57) Abstract: The invention relates to the rational mutagenesis of polypeptides of α/β T cell receptors providing oncogene-specific
T cell response, nucleic acids coding therefor, and the use thereof for treating, diagnosing, and/or preventing cancer diseases. The
invention also relates to MDM2 protein-specific α/β T cell receptors which are rationally mutated by means of the inventive method
and provide specific T cell response, and the uses thereof.(57) Zusammenfassung: Die Erfindung betrifft die rationale Mutagenese von Polypeptiden von Onkogen-spezifische T-Zell Ant-
wort vermittelnden α/β T-Zell Rezeptoren, diese kodierende Nukleinsäuren und deren Verwendung bei der Therapie, Diagnose
und/oder Prävention von Krebserkrankungen. Die Erfindung betrifft weiterhin einen mittels des Verfahrens der vorliegenden Erfin-
dung rational mutierten MDM2-Protein-spezifische T-Zell Antwort vermittelnden α/β T-Zell Rezeptoren und dessen Verwendungen.